

Rocky Flats Site Operations Guide

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**U.S. Department of Energy
Office of Legacy Management**

Rocky Flats Site Operations Guide

Disclaimer

The information in this document represents the most current and best understanding of technical and regulatory issues and responsibilities regarding the Rocky Flats Site. This document will be revised as necessary to reflect changes based on newly obtained information.

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- Appendix I Rocky Flats Health and Safety Addendum
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- Appendix K Migratory Bird Treaty Act Issues, Natural Resource Management Activities, and Maintenance and Project Activities at the Rocky Flats Site

Attachments (under separate cover)

- Attachment A1 Corrective Action Decision/Record of Decision for Rocky Flats Plant (USDOE) Peripheral Operable Unit and Central Operable Unit
- Attachment A2 Rocky Flats Legacy Management Agreement
- Attachment A3 Environmental Covenant
- Attachment A4 Lease Agreement of September 26, 2006, Between Broomfield, Colorado, and DOE (includes Substitute Water Supply Plan [SWSP])
- Attachment A5 Use Agreement between DOE and the Woman Creek Reservoir Authority
- Attachment A6 Rocky Flats Refuge Act
- Attachment A7 Ronald W. Reagan Defense Authorization Act for Fiscal Year 2005, Sec. 3118, Local Stakeholder Organizations for 2006 Closure Sites
- Attachment A8 H.R. 1815 National Defense Authorization Act for Fiscal Year 2006 (Mining Rights at Rocky Flats)
- Attachment B1 Operations and Maintenance Plan for the Rocky Flats Surface Water Control Project
- Attachment B2 Emergency Response Plan for Rocky Flats Site Dams
- Attachment C1 Operation and Maintenance Manual for Rocky Flats Groundwater Treatment Systems
- Attachment D1 Final Landfill Monitoring and Maintenance Plan for the Original Landfill
- Attachment D2 Present Landfill Monitoring and Maintenance Plan and Post-Closure Plan
- Attachment E1 Master Rocky Flats Site Ecology Reports Reference List
- Attachment E2 Memorandum of Agreement for the Administration of a Wetland Bank at Rocky Flats

- Attachment E3 Programmatic Biological Assessment for Department of Energy Activities at the Rocky Flats Environmental Technology Site, Part I
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- Attachment E5 Rocky Flats, Colorado, Site Revegetation Plan
- Attachment E6 Rocky Flats, Colorado, Site Vegetation Management Plan
- Attachment E7 Rocky Flats, Colorado, Site Wetland Mitigation Monitoring and Management Plan
- Attachment E8 Erosion Control Plan for Rocky Flats Property Central Operable Unit
- Attachment E9 Ecological Monitoring Methods Handbook for the Rocky Flats, Colorado, Site
- Attachment E10 Wildland Fire Management Plan for the Rocky Flats Site
- Attachment F1 Rocky Flats Environmental Technology Site Survey Control Network Report
- Attachment F2 Memorandum of Understanding between the Jefferson County Sheriff and the DOE
- Attachment F3 Rocky Flats, Colorado, Site Chemical Management Plan

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Acronyms and Abbreviations

Ag	silver
Am	americium
ANSI/ASQ	American National Standards Institute/American Society for Quality
AOC	Area of Concern
AR	Administrative Record
ARAR	applicable or relevant and appropriate requirement
BA	Biological Assessment
Be	beryllium
BMP	best management practice
BO	Biological Opinion
BZ	Buffer Zone
CAD/ROD	Corrective Action Decision/Record of Decision
CCR	Code of Colorado Regulations
Cd	cadmium
CDOW	Colorado Division of Wildlife
CDPHE	Colorado Department of Public Health and Environment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 USC 9601, et seq.)
CESQG	conditionally exempt small quantity generator
CFR	<i>Code of Federal Regulations</i>
CHWA	Colorado Hazardous Waste Act
CMP	Chemical Management Plan
CNWA	Colorado Noxious Weed Act
COU	Central Operable Unit
CPR	cardiopulmonary resuscitation
Cr	chromium
CWA	Clean Water Act
CWQCC	Colorado Water Quality Control Commission
CY	calendar year
DER	Duplicate Error Ratio
DOE	U.S. Department of Energy
DOT	U.S. Department of Transportation
DQA	data quality assessment
ECP	Erosion Control Plan
EMS	Environmental Management System
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ERP	<i>Emergency Response Plan for the Rocky Flats Site Dams</i>
ESA	Endangered Species Act
ET	evapotranspiration
ETPTS	East Trenches Plume Treatment System
FC	functional channel
FY	fiscal year
GEMS	Geospatial Environmental Mapping System
GIS	Geographic Information System
gpm	gallons per minute

GWIS	Groundwater Intercept System
H&S	health and safety
HAZCOM	hazardous communication
HQ	headquarters
HR ICP/MS	high-resolution inductively coupled plasma/mass spectrometry
HRC®	Hydrogen Release Compound®
HRR	Historical Release Report
IA	Industrial Area
IATA	International Air Transportation Association
IDW	investigation-derived waste
IHSS	Individual Hazardous Substance Site
IM/IRA	interim measure/interim remedial action
IMP	Integrated Monitoring Plan
ITS	Intercept Trench System
ITSS	Intercept Trench System Setup
JSA	job safety analysis
K-H	Kaiser-Hill Company, L.L.C.
L	liter
LANL	Los Alamos National Laboratory
LM	Legacy Management
LMS	Legacy Management Support
m³	cubic meter
M&M	monitoring and maintenance
M-K	Mann-Kendall
MBTA	Migratory Bird Treaty Act
MG	million gallons
mg/L	milligrams per liter
mL	milliliter
MP	measuring point
mrem	millirem
MSDS	Material Safety Data Sheet
MSPTS	Mound Site Plume Treatment System
NA	not applicable
NARA	National Archives and Records Administration
NEPA	National Environmental Policy Act
NPDES	National Pollutant Discharge Elimination System
NPH	no public hazard
NSQ	nonsufficient quantity
NWP	nationwide permit
NWTC	National Wind Technology Center
O&M	operation and maintenance
ODBC	Open Database Connectivity
OLF	Original Landfill
OSHA	Occupational Safety and Health Administration
OU	Operable Unit
P2	pollution prevention
PBA	programmatic biological assessment
pCi/g	picocuries per gram

pCi/L	picocuries per liter
PIP	Public Involvement Plan
PLF	present landfill
PLFTS	Present Landfill Treatment System
POC	point of compliance
POD	plan of the day
POE	point of evaluation
POU	peripheral operable unit
POW	Plan of the Week
PPA	Pollution Prevention Act
PPE	personal protective equipment
PQL	practical quantitation limit
Pu	plutonium
PU&D	Property Utilization and Disposal
PVC	polyvinyl chloride
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RCRA	Resource Conservation and Recovery Act (42 USC 6901, et seq.)
RFCA	Rocky Flats Cleanup Agreement
RFETS	Rocky Flats Environmental Technology Site
RFLMA	<i>Rocky Flats Legacy Management Agreement</i>
RFP	Rocky Flats Plant
RFSOG	<i>Rocky Flats Site Operations Guide</i>
RFSRP	<i>Rocky Flats Site, Colorado, Site Revegetation Plan</i>
RFSVMP	<i>Rocky Flats Site, Colorado, Site Vegetation Management Plan</i>
RFSWP	<i>Rocky Flats Site, Colorado, Site Wetland Mitigation Monitoring and Management Plan</i>
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RPD	relative percent difference
RTU	remote terminal unit
S-K	Seasonal-Kendall
SAP	Sampling and Analysis Plan
SARA	Superfund Amendments and Reauthorization Act
SCADA/HMI	supervisory control and data acquisition/human machine interface
SED	Sitewide Ecological Database
SEEPro	Site Environmental Evaluation for Projects
SEP	Solar Evaporation Ponds
SID	South Interceptor Ditch
Site	Rocky Flats Site
SME	subject matter expert
SPP	Solar Ponds Plume
SPPTS	Solar Ponds Plume Treatment System
SVOC	semivolatile organic compound
SWSP	Substitute Water Supply Plan
TIMS	thermal ionization mass spectrometry
TM	temporary modification

TSS	total suspended solids
U	uranium
µg/L	micrograms per liter
UHSU	upper hydrostratigraphic unit
USACOE	U.S. Army Corps of Engineers
USC	U.S. Code
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VOC	volatile organic compound
VSP	Visual Sample Plan
WPP	work planning process
ZVI	zero-valent iron